

CASE NO.: ARC9-2000-0093-US1
Serial No.: 09/757,012
January 30, 2006
Page 2

PATENT
Filed: January 8, 2001

1-8 (canceled).

9. (previously presented) A computer-implemented method for generating a gain adjust signal to establish an audio output level, comprising:

receiving at least one person-microphone position signal representative of a position of a person relative to a microphone;

determining a gain adjust signal based at least in part on the person-microphone position signal; and

using the gain adjust signal to establish the audio output level, wherein the person-microphone position signal is recorded, then the gain adjust signal is determined after a recording of the person.

10. (previously presented) A computer-implemented method for generating a gain adjust signal to establish an audio output level, comprising:

receiving at least one person-microphone position signal representative of a position of a person relative to a microphone;

determining a gain adjust signal based at least in part on the person-microphone position signal; and

using the gain adjust signal to establish the audio output level, wherein the gain adjust signal is a fast response gain adjust signal, and the method further comprises determining a slow response gain adjust signal based on an audio stream.

1053-105.AM*

CASE NO.: ARC9-2000-0093-US1
Serial No.: 09/757,012
January 30, 2006
Page 3

PATENT
Filed: January 8, 2001

11. (original) A digital processor programmed to undertake logic for dynamically establishing a gain of an audio system, the logic including:
- receiving a video stream representative of at least one person and at least one microphone;
 - deriving person-microphone position signals using the video stream; and
 - using at least some of the person-microphone position signals, generating audio gain adjust signals for input thereof to the audio system.
12. (original) The digital processor of Claim 11, wherein the logic further includes determining an audio gain adjust signal based at least partially on: a distance from a person's mouth to a microphone, or an orientation of a person's head relative to the microphone.
13. (original) The digital processor of Claim 12, wherein the logic further comprises:
- recording at least one calibration person-microphone position signal;
 - recording at least one calibration audio level contemporaneously with the calibration person-microphone position signal; and
 - using the calibration signal and calibration level, generating at least one mapping.
14. (original) The digital processor of Claim 13, wherein the logic further comprises using the mapping to generate at least one gain adjust signal based on at least one person-microphone position signal.

1053-105.AM4

CASE NO.: ARC9-2000-0093-US1
Serial No.: 09/757,012
January 30, 2006
Page 4

PATENT
Filed: January 8, 2001

15. (original) The digital processor of Claim 11, wherein the gain adjust signal is determined contemporaneously with recording the person.

16. (original) The digital processor of Claim 11, wherein the person is recorded, then the gain adjust signal is determined after the recording of the person.

17-29 (canceled).

1053-105.AM4